

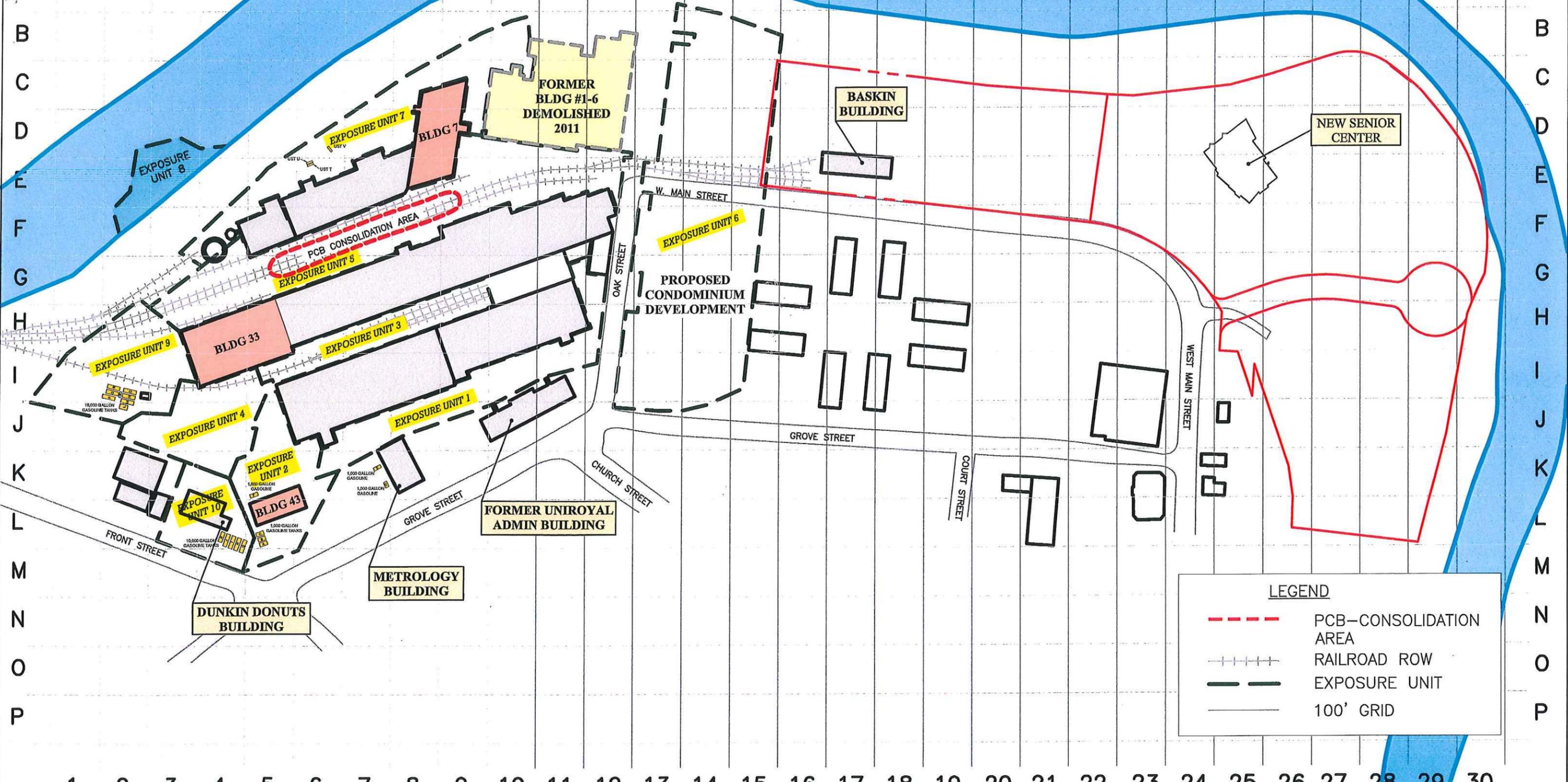
CHICOPEE RIVER



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LEGEND

- - - - - PCB-CONSOLIDATION AREA
- + + + + + RAILROAD ROW
- - - - - EXPOSURE UNIT
- — — — — 100' GRID

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NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS	DESCRIPTION

DRAWN BY:
DESIGNED BY:
CHECKED BY:

Not for Construction

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Engineers • Scientists • Planners
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Chicopee, Massachusetts

SCALE:
SCALE IN FEET: 1"=200'

Former Uniroyal & Facemate Sites
Attachment A

JOB: Chicopee
PLOT DATE: Feb. 24, 2014
ISSUE DATE:
SHEET:

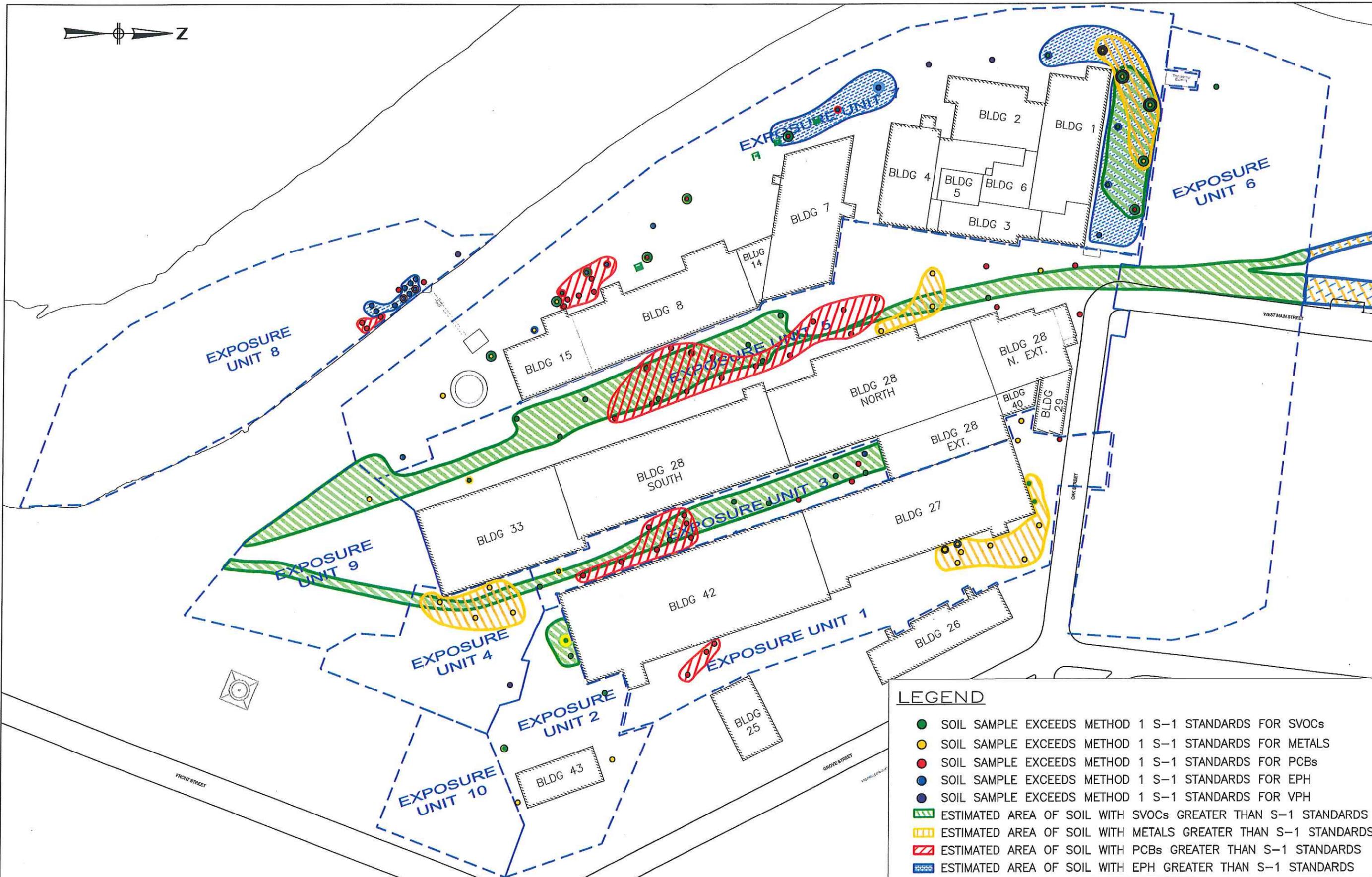
2/26/14 JMF

Former Uniroyal Site
Summary of Known and Suspected Environmental Releases

Exposure Unit / Location	Primary Contaminants of Concern	Impacted Media	Confirmed/Likely Sources	Recently Completed Actions	Proposed Action	Questions/Comments
EU-1 ▪ GF-SS subarea ▪ LS-C subarea ▪ Elevator/Manhole subarea	Petroleum, PAHs, Metals Lead Petroleum Zinc, PCBs	Soil Soil Soil Sediment	Fill, transformers	Excavated 6 cubic yards. Confirmatory results are <S-1 standards. Excavated 80 cubic yards. Confirmatory results are < UCLs	Vegetable garden AUL Removal and on-site consolidation or off-site disposal	
EU-2	PAHs, Metals, C5-C8 aliphatics, Benzene	Soil, Groundwater	USTs A-F	Collected samples from ESC-28 and MW-3 & MW-4 for PCB analysis	Collect 1 more round of groundwater samples from ECS-28 and MW-3 & MW-4 (downgradient) for PCB analysis (Dec 2011); Sub-slab venting system AUL Sub-slab venting system AUL	PCB-impacted GW unlikely
EU-3 ▪ Tunnel subarea	PAHs, PCBs, Metals Arsenic, Lead	Soil Soil, Sediment	Loading Dock, Shipping/Receiving Area, Fill	Excavated <1 cubic yard of soil/debris	Vegetable garden AUL	
EU-4	PAHs, Metals, PCBs	Soil	Rail Equipment		Vegetable garden AUL	
EU-5 ▪ Mill Line subarea ▪ Tunnel subarea ▪ Bldg 29 subarea ▪ Catchbasin/Oil Interceptor	Petroleum, PAHs, PCBs, Metals Metals, Petroleum PCBs PCBs PCBs, Petroleum	Soil Soil, Debris Soil, Sediment Soil, Sediment Wastewater	Carbon Black, Transformers, Petroleum, Dust Control (PCB-containing oil)	Bldg 33 vault sampling Removed waste Removed PCB-contaminated soil > UCL (100ppm) Removed PCB-contaminated soil > UCL (100ppm) Confirmed wastewater had previously been removed.	Characterization of Tunnels 3 & 5; Capping (3' fill or 6" pavement) with AUL	Need to discuss unauthorized construction of PCB consolidation area within EU-5 (must be re-graded). Risk characterization doesn't include recreational scenario for future use of area as soccer fields. Also, need to coordinate final proposed grades and clean corridors for utilities.
EU-6	PAHs, Metals, PCBs	Soil	Coal Ash	Collected additional soil samples for PCB analysis. No exceedances.	RAO-P with possible vegetable garden AUL	Need to coordinate with Property Owner (Demers)
EU-7 ▪ Elevator subarea ▪ Coal Chute subarea ▪ Store Room subarea ▪ Petroleum subarea	Petroleum, PAHs, PCBs, Metals PCBs, Metals, Petroleum Arsenic Lead, PCBs Petroleum	Soil Soil, Sediment Soil Soil, Sediment Soil, Groundwater	Transformer and Fuel Oil, Fill	Detwater bldg 2, 4 and 6 foundations and collect sub-slab soil and drainage system samples. Excavated 215 cubic yards of soil. Confirmatory results are <UCLs Additional sampling. Excavated material down to concrete floor.	Capping (3' fill or 6" pavement); Sub-slab venting system AUL Removal and off-site disposal (>UCLs) Sub-slab venting system AUL	Partial cap or complete capping? Risk characterization doesn't include recreational scenario for future use of area as little league field
EU-8	PCBs, PAHs	Sediment, SW	Surface Water Runoff	Additional surface water & sediment samples collected from Chicopee River in 6/2011	Complete updated Risk Characterization	TSCA lead - Additional Eco-Risk Assessment
EU-9	C5-C8 aliphatics	Groundwater, Soil	UST Releases	NAPL gauging 6/2011 & 9/2011 (ECS-9); >1/2" product 9/2011; No product in downgradient well ECS-25.	Continued NAPL monitoring on quarterly basis; If 12/2011 results indicate >1/2" NAPL bailer will be reinstalled.	
EU-10	C5-C8 aliphatics	Groundwater, Soil	USTs G-K		RAO-P	No AUL proposed
EU-11	PAHs, PCBs, Metals	Soil, sediment, water	Surface Water Runoff, Floor drains (spills)? Process water?	Removed contaminated sediments from portion of collector line and detergent pressure washed certain sections of toe drain system. Removed sediments from Oak Sst pumping station wet well	Re-evaluation of cleaning approach needed as confirmatory wipe samples exceeded standard (10ug/100cm2). Steam cleaning of pump station wet well and confirmatory chip sampling	Decommission larger diameter lines? Abandoned pipes present potential migration pathways, if not filled. How were active and inactive lines established? Need to assess exfiltration potential. Depth of cut and potential for encountering contaminated soil during redevelopment? Underground petroleum lines?

Attachment B

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LEGEND

- SOIL SAMPLE EXCEEDS METHOD 1 S-1 STANDARDS FOR SVOCs
- SOIL SAMPLE EXCEEDS METHOD 1 S-1 STANDARDS FOR METALS
- SOIL SAMPLE EXCEEDS METHOD 1 S-1 STANDARDS FOR PCBs
- SOIL SAMPLE EXCEEDS METHOD 1 S-1 STANDARDS FOR EPH
- SOIL SAMPLE EXCEEDS METHOD 1 S-1 STANDARDS FOR VPH
- ▨ ESTIMATED AREA OF SOIL WITH SVOCs GREATER THAN S-1 STANDARDS
- ▨ ESTIMATED AREA OF SOIL WITH METALS GREATER THAN S-1 STANDARDS
- ▨ ESTIMATED AREA OF SOIL WITH PCBs GREATER THAN S-1 STANDARDS
- ▨ ESTIMATED AREA OF SOIL WITH EPH GREATER THAN S-1 STANDARDS

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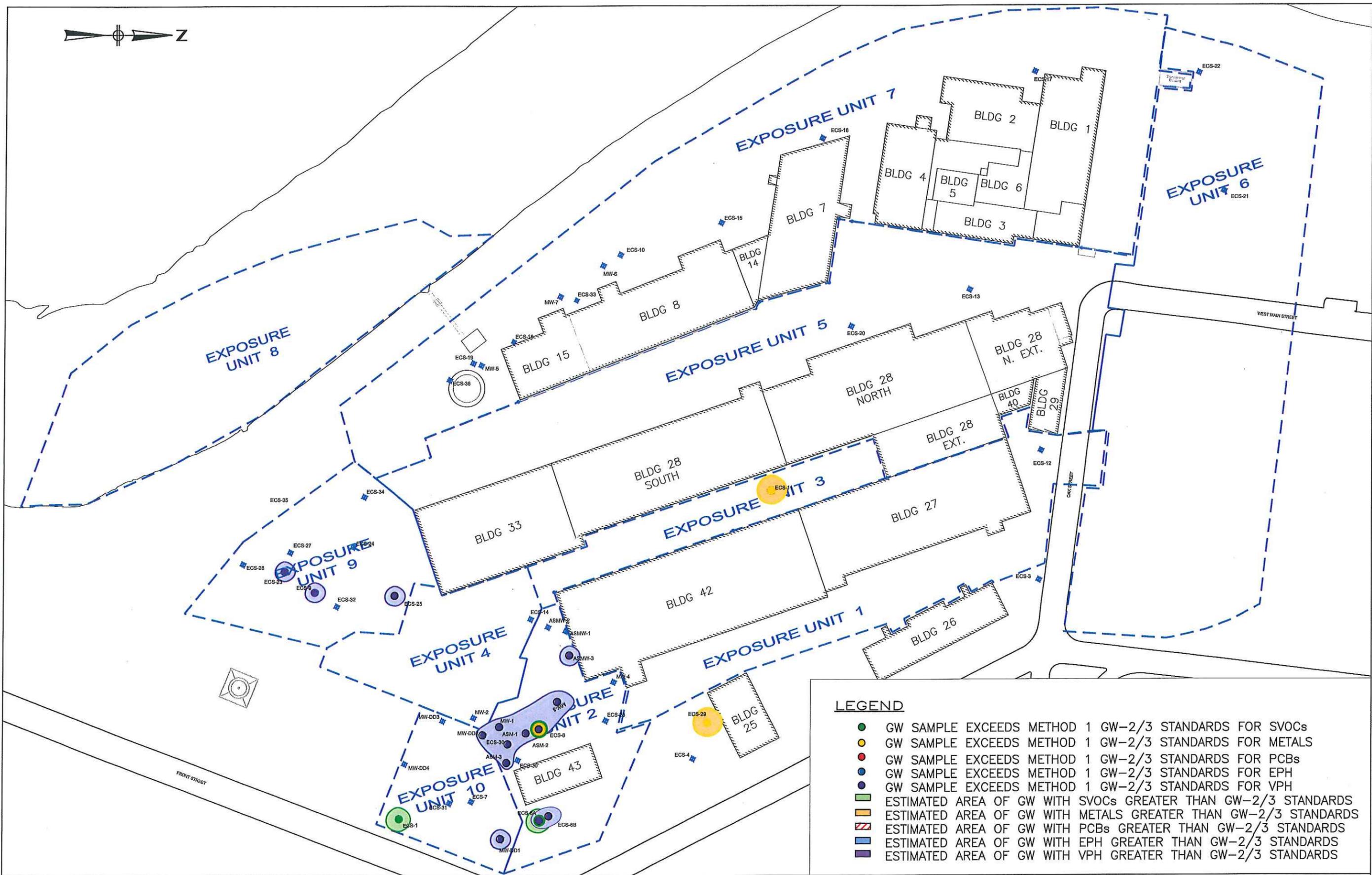
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March 10, 2011

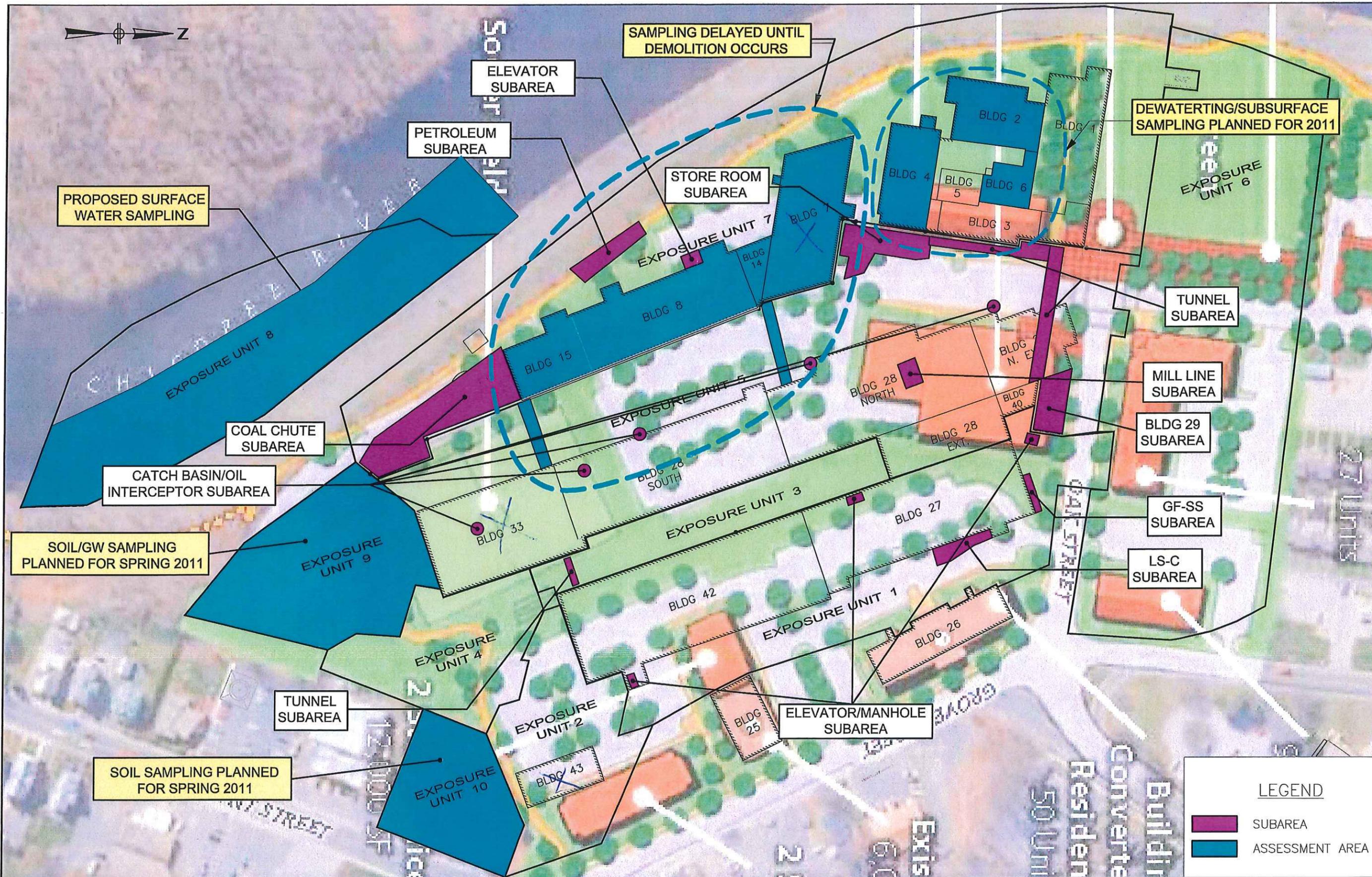
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 Scale: 1"=120'

**Identified Areas of
 Soil Contamination**

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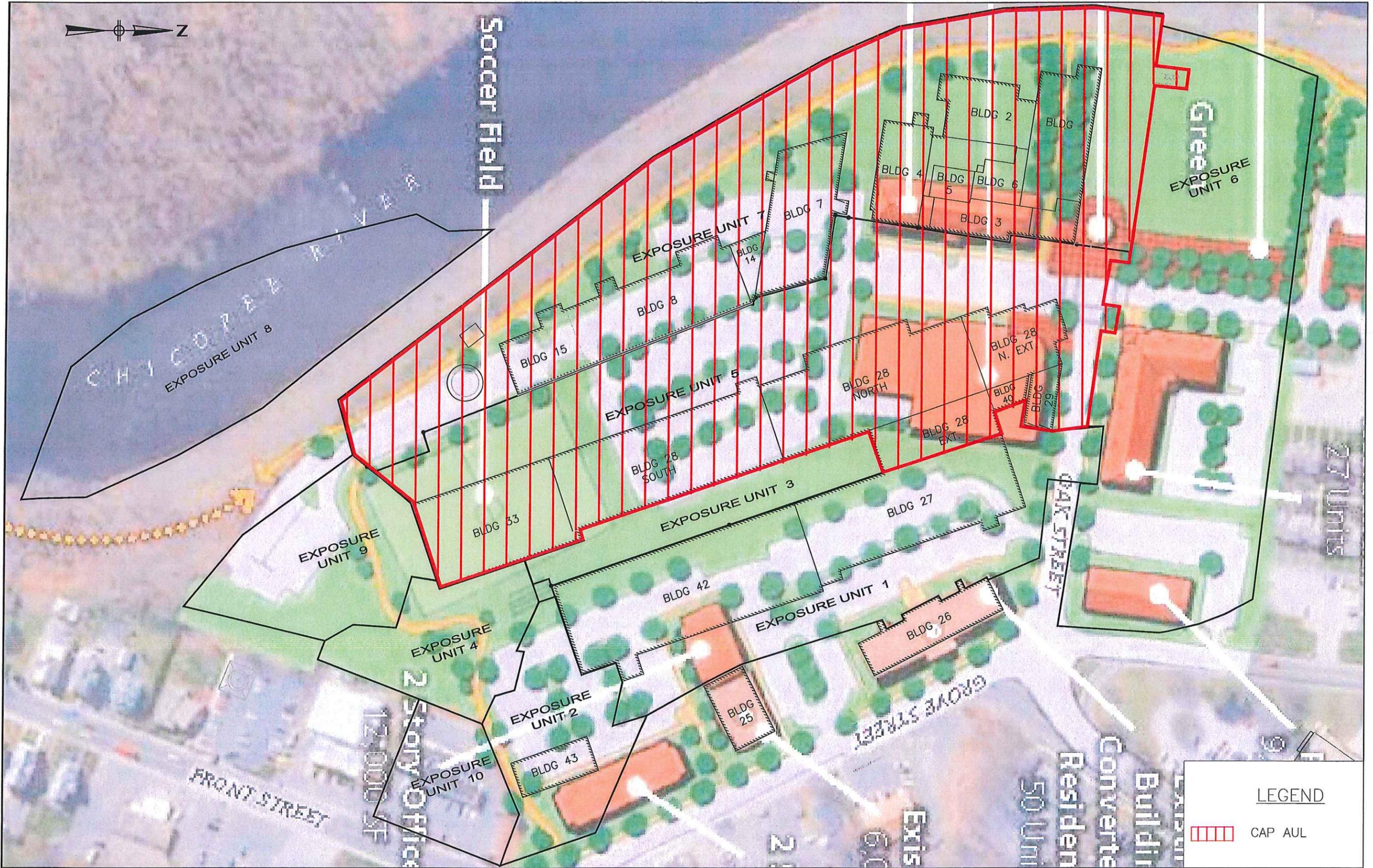
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Reuse Plan
 Scenario One

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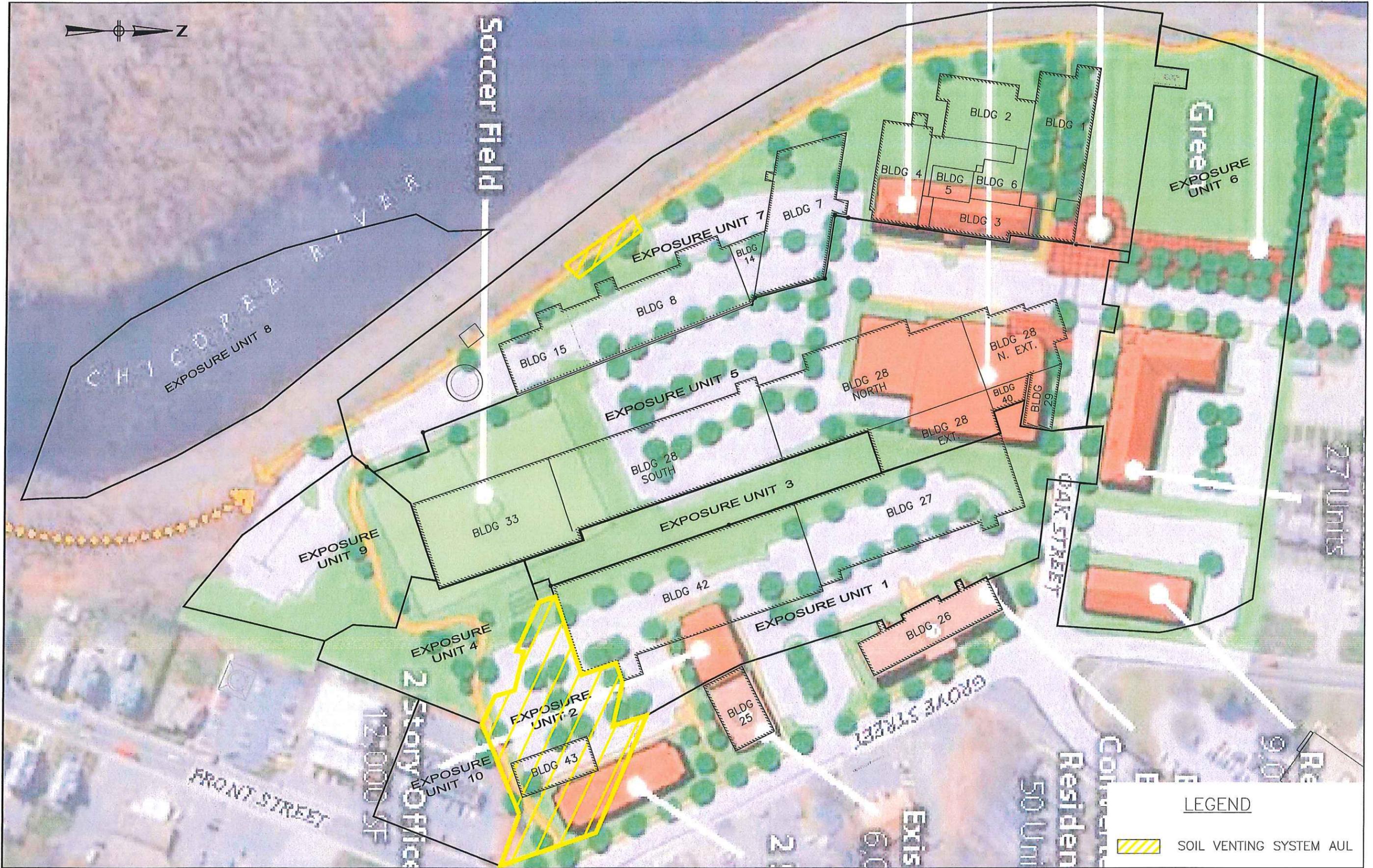
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Reuse Plan
 Scenario One

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LEGEND

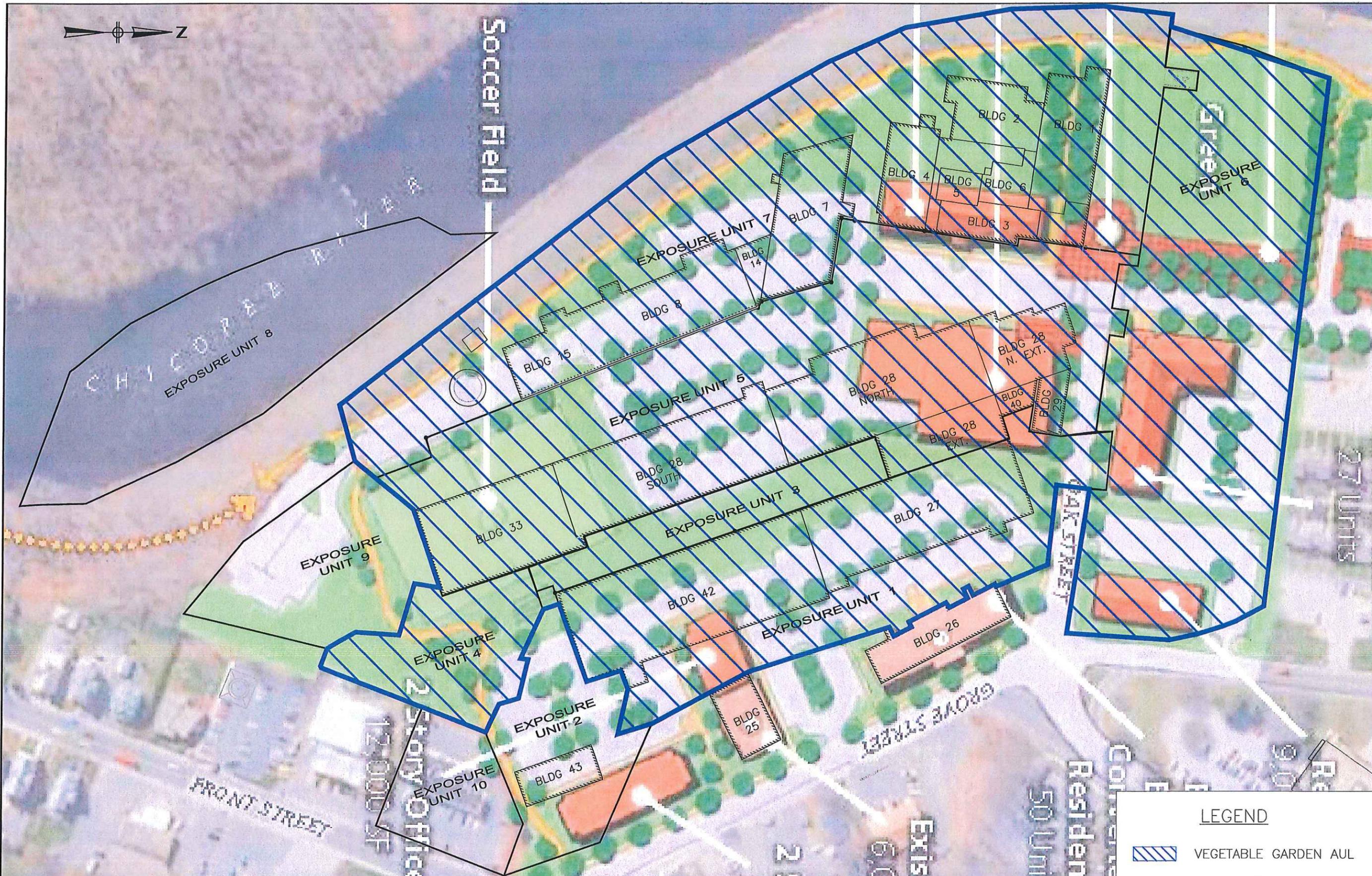
 SOIL VENTING SYSTEM AUL

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Reuse Plan Scenario One

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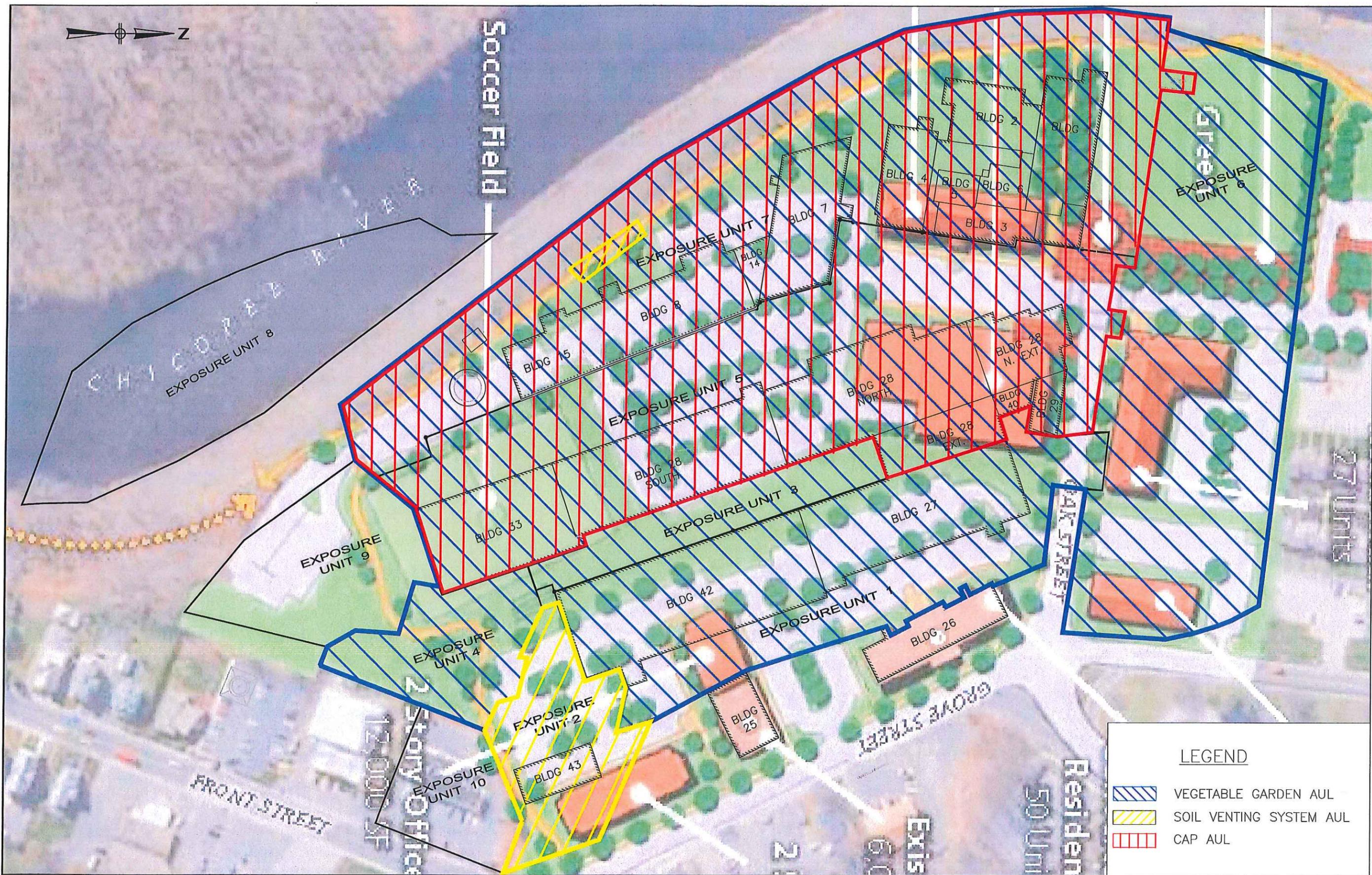
March 10, 2011

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Chicopee, Massachusetts
Scale: 1"=120'

LEGEND
[Blue hatched box] VEGETABLE GARDEN AUL

Reuse Plan
Scenario One

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LEGEND

	VEGETABLE GARDEN AUL
	SOIL VENTING SYSTEM AUL
	CAP AUL